Annual Report

of the transactions of the

Port Health Department, Rangoon

For the Year 1922

Rangoon: Superintendent, Government Printing, Burma

1923

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DEPARTMENT OF PUBLIC HEALTH.

FROM

LIEUT.-COL. E. BISSET, M.B., CH.B., D.P.H., I.M.S.,

Director of Public Health, Burma,

TO

THE SECRETARY TO THE GOVERNMENT OF BURMA,
DEPARTMENT OF PUBLIC HEALTH.

Dated Rangoon, the 2nd May 1923.

SIR,

I have the honour to submit the Annual Report of the transactions of the Rangoon Port Health Department for the year 1923.

1. The number of sea-going vessels arriving at the Port of Rangoon from Indian Ports and the passengers carried by these were the highest on record. They were respectively 1,126 and 300,943. In-coming vessels from foreign ports numbered 305 showing an increase of 43 over the previous year ; and carried 19,663 passengers.

2. Under General Department Notification No. 141, dated 6th April 1922, all vessels entering the Port of Rangoon were subjected to inspection on account of Influenza and Acute Pneumonia ; and 1,412 vessels carrying 320,477 passengers in all were inspected. Prior to the issue of the above notification, 19 cargo vessels from foreign ports with 129 passengers on board were not inspected. Forty-nine cases of infectious diseases were reported by Masters and 56 cases were detected by the Port Health staff during the course of their inspection, making a total 105 cases against 82 in 1921 ; but among the passengers who were detained as suspect and sent to the hospital for observation, 56 in-coming passengers and 1 out-going passenger were diagnosed as suffering from influenza against—

41	*nil*	in	1921
12	2	in	1920
695	24	in	1919
and 1,777	10	in	1918 respectively.

3. Four hundred and sixty-six vessels bound for ports beyond India were inspected against 344 in 1921.

A greatly increased volume of work devolved upon the Port Health Department during the year and the staff was strengthened to cope with the work. Much credit is due to Dr. Crow and his Assistants for the energetic and capable manner in which they performed their work.

I have the honour to be,

SIR,

Your most obedient servant,

E. BISSET, *Lieut.-Col., I.M.S.,*
Director of Public Health, Burma.

ANNUAL REPORT

OF THE TRANSACTIONS OF THE

PORT HEALTH DEPARTMENT, RANGOON

For the Year 1922.

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1. *Staff.*—With the exception of the changes noted below the staff of the department remained the same as in last year.

Lieutenant G. E. Duckworth proceeded on leave from 23rd April and Mr. Bayley de Castro was appointed in his place. Dr. Anklesaria was entertained as a temporary additional Assistant Port Health Officer from the 19th January and continued to the end of the year.

Sub-Assistant Surgeon Thiru resigned the appointment on 6th October and Mr. R. V. Pillai was taken as a substitute.

An additional nurse, two tally clerks and a caretaker were appointed from 1st August 1922 with the Local Government's sanction.

Inspection of In-coming Vessels.

2. Vessels that arrived from India, Foreign and Riverine ports numbered 1,441 or 153 more than in 1921 and they carried 321,037 passengers or 14,432 more than in 1921. Of the above vessels, 1,126 were from Indian ports and 305 from Foreign ports against 1,017 and 262 respectively in 1921. Statements I and II.

Vessels not visited.—These were 19 vessels against 75 in 1921. These vessels were from Foreign ports. They were reported to have carried 1,453 members of the crew and 129 passengers.

From 6th April 1922 all the vessels entering the Port of Rangoon were visited on account of influenza and acute pneumonia (*vide* General Department Notification No. 141, dated 6th April 1922).

Vessels visited (*a*) *Sea-going.*—These numbered 1,412, an increase on 1921 of 208. They carried 125,257 members of the crew, and 320,477 passengers, making a total of 445,734 inspected by this department.

3. Regulations under which they were visited are —

A. General Department Notification No. 73, dated 13th March 1917 (Parts 1 to VII), 60 vessels came under this Regulation and included the following reports :—

(i) *Infectious Diseases.*—Forty-nine cases of infectious diseases (18 more than in 1921) were reported by the Commanders of 40 vessels including 1 case of plague, 9 cases of cholera (on eight vessels), of which 4 died (3 buried at sea and 1 sent to Rangoon Mortuary), 4 were sent to hospital in Rangoon and 1 was landed at other port.

The other cases reported included 11 cases of small-pox (on eleven vessels), 14 cases of chicken-pox (nine vessels), 4 cases of measles (four vessels), 8 cases of mumps (seven vessels) and 2 cases of Cerebro-Spinal fever (two vessels). These were removed to hospital. On the above 40 vessels, 8 more infectious cases were detected at the medical inspection, *i.e.*, 2 cases of small-pox, 5 cases of chicken-pox and 1 case of measles.

(ii) twenty-one deaths from non-infectious diseases were reported on twenty vessels. On two of these vessels, 3 cases of infectious diseases were detected during the inspection, *viz.*, small-pox 1 case, chicken-pox 1 case and mumps 1 case.

(iii) *Suspicious Illness.*—One hundred and sixty-four cases were reported and these after observation proved to be non-infectious.

B. *Vaccination Act, 1909.*—Vessels inspected under this Act were 470 in number. On 34 of these vessels 38 cases of infectious diseases were detected during the inspection, *viz.*, small-pox 12, chicken-pox, 20, measles 5, mumps 1. One case of plague, 2 cases of chicken-pox, 1 case of mumps and 1 case of Cerebro-Spinal fever developed in hospital among the suspects sent for observation. A protected person is insufficiently defined in the Vaccination Act. A person vaccinated in infancy is not protected in middle age even if he bears good marks of vaccination in infancy, and experience teaches that the protection decreases markedly after the age of twenty years.

C. *Indian Ports Act, Section 17-2D.*—Vessels inspected under this Act numbered 94. One case of mumps was detected among the passengers observed.

D. The number of extra vessels inspected under Notification No. 229, dated 6th September 1919 (making it incumbent on all vessels entering Rangoon from any port in India or Burma to undergo inspection as a precaution against the spread of acute pneumonia and influenza) but not liable to inspection under one of the foregoing sanctions comprised 788 cargo and passenger vessels. Of these 156 were oil steamers of the Oil Companies which moored below the Hastings Shoal inspected by the Works Doctors who sent their reports to this office. One case of measles developed in hospital among the suspects sent for observation.

4. *Plague.*—One case was reported and 1 case developed in hospital.

5. *Measures.*—As a result of the visits paid under the Regulation referred to in paragraph 3 the following measures were carried out : —

(1) *Inspections.*—The number of passengers inspected was 307,389 as follows : —

Statement II.

Under Vaccination Act	...	...	249,581
Under Vaccination Act (non-labourers) exempted			38,012
Under Indian Ports Act	...	...	5,660
Under Influenza Notification	...	...	14,136

The axilliary temperature of 6,182 persons were tested and 3,174 cases were found normal.

These inspections were carried out in the new Port Health Station.

The following were the results of these measures : —

Statement III.

(*a*) Insfectious cases reported and detected aggregated 105, *viz.*, plague 2, cholera 9, small-pox 26, chicken-pox 42, measles 12, mumps 11, cerebro-spinal fever 3. Of these, 56 cases were detected during the inspections under the current notifications under the Vaccination, Indian Ports Act and Influenza Notification.

(*b*) *Inflamed and enlarged glands*—noted and sent for examination of gland tissue were 26, but none of them were found to contain plague bacilli.

(*c*) *Suspects sent to hospital*—for observation, for temperature, diarrhœa and undefined skin rashes numbered 2, 907.

(*d*) Out of 2,907 cases sent for observation, 56 cases of influenza, 4 cases of dengue fever and 35 cases of pneumonia developed.

(2) *Disinfection*—(*a*) of effects of 1,210 members of the crew of infected vessels and 2,531 passengers was carried out.

(*b*) Disinfection of 682 vessels was carried out, of which 96 were washed down with disinfectant solution for infectious diseases on board and 586 were washed down on account of cases on board suspicious of influenza.

(3) *Fumigation*—of one vessel was carried out in January, on this occasion 330 lbs. of sulphur were consumed, 13 hours were spent on the operation and 27 rats were destroyed. The other vessel left the port before the case was diagnosed and measures were carried out in Calcutta.

(4) *Vaccination.*—Labourers and crew numbering respectively 249,581 and 53,110 were inspected for the presence of good old or recent vaccination marks. Of the former I7,640 and of the latter I79 were vaccinated on arrival by the Municipal Vaccinators.

(5) *Segregation*—can only be imposed against vessels which arrived plague infected.

Port Health Camp.—There was no occasion to make use of this Camp during the year. The buildings are in a bad way and the site is unsuitable. When the revised Port Health Rules come into force an up-to-date Port Health Camp will be essential.

(6) *Vessels visited* (b) *Riverine.*—Ten vessels reported the occurrence of infectious or suspicious disease and underwent the usual measures. Two for plague, 7 for cholera and 1 for suspicious illness. Two vessels underwent fumigation by burning sulphur in the holds. Statement III.

(7) *Vessels in harbour visited.*—Fifteen vessels underwent disinfection measures, 6 for cholera, 2 for small-pox, 3 for chicken-pox, 3 for measles and 1 for mumps.

Inspection of Out-going Vessels.

Those proceeding to ports out of India numbered 466 or 122 more than in 1921. All the 27,569 Asiatic and African members of the crew and the 13, 437 deck passengers on these vessels had their effects disinfected, and the 39, 322 members of the crew and 19,421 passengers including Europeans were inspected. The 2,879 baggage coolies were inspected and their uniform disinfected prior to their handling passengers' luggage. Temperatures were tested on 525 persons and 198 were found normal while 236 were allowed to embark on the Commander's responsibility. Two hundred and thirty-one passes were given to relatives of passengers to see their friends off. Statement IV.

Results.—One case of chicken-pox, 2 cases of measles, 2 cases of mumps, 1 case of influenza and 75 of suspicious rise of temperature were detained and sent to hospital for observation and treatment.

No cases of plague are known to have developed among the crew and passengers of these vessels on their outward voyages. The vessels in which the crews' quarters had not previously been cleaned were cleaned prior to issue of the Bill of Health.

Inspection of measures to prevent the ingress of Rats—into vessels at wharves was frequently carried out. These measures when properly carried out may prevent rats from boarding vessels. At present the system is imperfectly supervised, the guards do not fit the ropes and are in disrepair, and in my opinion help rather than deter rats.

New members of the crew inspected prior to signing on the ships' articles —were 2,320 and of these 2, 237 were passed fit and 92 rejected, 1 for rise of temperature, 49 for gonorrhoea, 11 for chancre, 2 for hydrocele, 5 for hernia, 2 for enlarged glands, 2 for eczema, 5 for scabies, 3 for ringworm, 6 for general debility, 2 for syphilis, 1 for gleet, 1 for heart disease, 1 for bubo and 1 for bubonocele.

Fumigation of vessels at Agent's request.—Thirteen vessels were fumigated while empty, 820 rats were reported destroyed, 12 rats were sent for bacteriological examination for plague bacilli with negative results. Eight vessels required fumigation in order to comply with measures in force at ports of destination and the others were fumigated on account of rats on board.

Fend off Certificates—were requested by the Agents of several steamers. Action was taken to see that the requirements were duly met.

Miscellaneous Transactions and Remarks.

Statement V.

Examination of Port Commissioners' Officers and Employès.—The Medical Board assembled once to report on the health of Mr. Robertson, Pilot, for fitness of extension of service. He was recommended for extension. Examination was carried out of 124 candidates on 124 separate occasions for fitness to join the service of whom 122 passed and 2 rejected.

Infectious diseases diagnosed among the employés of the Port Commissioners' establishment included cholera 1, small-pox 1, chicken pox 24, measles 2, mumps 4, influenza 229, dengue 168 and enteric 1.

Port Commissioners' Dispensary.—The Dispensary was opened in 1921 and is doing good work. It is staffed as 1921. The daily average attendance of old and new cases was 36·73 making a total of 13,365.

Sanitation of the Port Commissioners' Foreshore.—The sanitation of the Port Area was undertaken by the Port Health Officer. The Port Commissioners supplied the following staff:—

Sanitary Inspector	...	...	...	1
Jemadar	..	...	...	1
Maistries	...	...	...	2
Conservancy	...	...	...	37
Rat smoking	..	...	...	5
Rat trapping	...	...	...	5
General cleaning	...	...	...	5

Very useful work had been done and the concentration of forces had been attended with good results.

Rating and trapping (200 traps) has given us 8,260 rats.

A detail of work as follows:—

Number of rats destroyed by smoking	..	2,610
Number of rats destroyed by trapping	..	5,650
Number of rat holes destroyed	..	4,200

Rat destruction and Port Commissioners' Area.—The system is the same as in 1921.

Port Health Department Employès and Plague Police—who reported sick were 170. Ninteen cases of influenza and 6 cases of dengue were recorded.

The total cases of infectious diseases—dealt with by this Department was 655 of which 305 cases of influenza and 178 cases of dengue fever.

The Disinfecting Stove—was closed for 1,025 hours.

The non-infectious disease—dealt with numbered 4, 849 or 372 more than in 1921. Others not sent to hospital were recorded for reference including glands and skin diseases. Statement VI.

Port Health Staff.—The staff have responded well. My Assistants Messrs. Writer, Wredden, Anklesaria, Bayleyde Castro and Sub-Assistant Surgeon Rauf have ably assisted me and have maintained a high standard of work.

STATEMENT No. I.

Statement showing In-coming Sea-going Vessels during the year ending the 31st December 1922.

Months.	Not visited. (1)							Visited. (2)							From			
	Number of vessels.	Number of crew.	Number of Passengers.					Number of vessels.	Number of crew.	Number of Passengers.					Number of vessels.	Number of crew.	Number	
			Males.	Females.	Boys.	Girls.	Total.			Males.	Females.	Boys.	Girls.	Total.			Males.	Females.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
January ...	5	585	36	20	3	2	61	121	10,745	23,336	1,849	708	465	26,358	96	8,649	22,199	1,578
February ...	10	674	42	25	...	1	68	108	9,458	22,232	1,778	691	500	25,201	94	8,196	21,630	1,640
March ...	1	61	...	...	...	...	...	148	12,039	26,649	1,747	614	422	19,432	116	9,423	15,597	1,523
April ...	2	97	...	...	...	...	...	136	11,342	14,620	1,699	576	490	17,385	107	8,877	13,198	1,408
May ...	1	36	...	...	...	...	..	130	11,775	19,859	2,356	834	705	23,754	101	8,745	17,853	1,994
June ...	...	...	...	...	...	...	...	97	8,664	19,781	1,859	616	565	22,821	74	6,639	18,920	1,722
July ...	...	...	...	...	...	...	...	117	10,454	19,035	1,595	438	458	21,526	95	8,371	18,009	1,430
August ...	...	...	...	...	...	...	...	115	10,333	18,119	1,629	485	415	20,648	91	8,243	16,639	1,397
September ...	...	.	...	...	...	...	...	97	9,105	18,890	1,667	561	428	21,546	79	7,248	18,216	1,486
October ...	...	...	...	...	...	...	...	119	10,887	24,688	2,165	718	600	28,171	91	8,086	22,804	1,798
November ...	...	...	...	...	...	...	...	120	10,828	48,580	2,927	1,030	836	53,373	95	8,608	47,064	2,467
December ...	...	...	...	...	...	...	...	104	9,627	36,192	2,453	1,013	604	40,262	87	8,131	35,200	2,189
Total ...	19	1,453	78	45	3	3	129	1,418	125,257	281,981	23,724	8,284	6,488	320,477	1,126	99,216	267,329	20,626

STATEMENT No. I.

Statement showing In-coming Sea-going Vessels during the year ending the 31st December 1922—concld.

Months.	Indian ports. (3)			From Foreign Ports. (4)							Totals of (1) and (2) or (3) and (4).						
	of Passengers.			Number of vessels.	Number of crew.	Number of Passengers.					Number of vessels.	Number of crew.	Number of Passengers.				
	Boys.	Girls.	Total.			Males.	Females.	Boys.	Girls.	Total.			Males.	Females.	Boys.	Girls	Total.
(1)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
January ...	623	418	24,818	30	2,681	1,573	291	88	49	1,601	126	11,330	23,372	1,869	711	467	26,419
February ...	623	465	24,358	24	1,936	641	163	68	36	911	118	10,132	23,274	1,803	691	501	25,269
March ..	541	379	18,040	33	2,677	1,052	224	73	43	1,392	149	12,100	16,649	1,747	614	422	19,432
April ...	463	417	15,492	31	2,562	1,422	291	113	73	1,893	138	11,439	14,620	1,699	576	490	17,385
May ...	726	616	21,189	30	3,066	2,006	362	108	89	2,565	131	11,811	19,859	2,356	834	705	23,754
June ...	571	536	21,749	23	2,025	861	137	45	29	1,072	97	8,664	19,781	1,859	616	565	22,821
July ...	362	421	20,222	22	2,083	1,026	165	76	37	1,304	117	10,454	19,035	1,595	438	458	21,526
August ...	405	342	18,783	24	2,090	1,480	232	80	73	1,865	115	10,333	18,119	1,629	485	415	20,648
September ..	510	396	20,608	18	1,857	674	181	51	32	938	97	9,105	18,890	1,667	561	428	21,546
October ...	531	512	25,639	28	2,801	1,884	373	187	88	2,532	119	10,887	24,688	2,165	718	600	28,171
November ...	912	702	51,145	25	2,220	1,516	460	118	134	2,228	120	10,828	48,580	2,927	1,030	836	53,373
December ...	948	563	38,900	17	1,496	992	264	65	41	1,362	104	9,627	36,192	2,453	1,013	604	40,262
Total ...	7,215	5,767	300,943	305	27,494	14,730	3,143	1,072	724	19,663	1,431	126,710	282,059	23,769	8,287	6,491	320,606

STATEMENT No. II.

Statement showing the inspection of In-coming Sea-going Vessels and the work done by the Port Health Department during the year ending 31st December 1922.

Months.	Medical Inspection and Observation.														Non-labourers observed under Vaccination Law Amendment Act.					Observation under section 17-2D, Indian Port Act.		
			Temperatures.			Infectious Diseases.					Non-infections. Diseases.		Deaths in vessels.								Passengers.	
	Crew.	Passengers.	Tested.	Normal.	Sick.	Reported.	Detected.	Cerebro-Spinal Fever.	Influenza.	Dengue.	Reported.	Detected.	Infectious.	Non-Infectious.	Males.	Females.	Boys.	Girls.	Total.	Crew.	Males.	Females.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1922																						
January ...	9,134	24,849	495	295	200	5	7	...	20	...	13	155	...	2	1,868	1,203	503	306	3,879	2,066	1,134	271
February...	8,884	23,994	470	270	200	4	10	1	3	...	12	170	1	4	849	1,313	512	374	3,048	1,531	601	138
March ...	11,354	18,176	343	196	147	10	14	...	1	...	23	99	...	2	1,357	1,195	436	291	3,279	2,554	1,048	224
April ...	9,972	16,382	271	209	162	7	5	1	1	...	12	136	2	...	480	1,124	401	308	2,313	2,474	416	291
May ...	10,273	22,654	518	306	212	3	3	...	5	...	9	192	...	2	515	1,671	603	508	3,297	...	...	...
June ...	7,516	21,879	410	202	208	1	6	...	2	...	5	194	...	1	705	1,454	463	420	3,042	...	...	...
July ...	9,079	20,523	402	232	170	1	...	...	3	...	20	146	1	3	581	1,257	315	366	2,519	...	...	...
August ...	9,072	19,948	391	198	193	1	1	1	3	3	9	175	...	2	525	1,199	350	288	2,362	...	...	...
September	7,832	20,695	410	181	229	...	1	...	3	1	8	216	...	3	641	1,283	445	330	2,699	...	...	...
October ...	9,515	27,215	570	260	310	2	...	...	1	...	20	237	...	...	872	1,552	445	411	3,280	...	...	...
November	9,452	52,102	1,103	449	654	1	3	...	3	...	19	623	..	...	808	2,176	812	597	4,393	...	...	...
December	8,366	35,977	699	376	323	3	5	...	6	...	14	290	...	2	781	1,857	812	451	3,901	...	...	...
Total ...	1,10,449	3,07,389	6,182	3,174	3,008	43	55	3	56	4	164	2,683	4	21	9,982	17,283	6,097	4,650	38,012	8,625	3,199	924

STATEMENT No. II.

Statement showing the inspection of In-coming Sea-going Vessels and the work done by the Port Health Department during the year ending 31st December 1922—concld.

Months.	Observation under section 17-2D, Indian Ports Act—concld.			Inspection under General Department Notification No. 229, dated the 2nd September 1919.					Vaccination.						Disinfection.			Fumigation.				
	Passengers—concld.			Crew.	Passengers.				Crew.			Labourers.			Vessels.	Effects.		Number of vessels.	Condition.	Sulphur consumed.	Time spent.	Rats destroyed.
	Boys.	Girls.	Total.		Males.	Females.	Boys.	Girls.	Total.	Protected.	Unprotected.	Vaccinated at wharf.	Protected.	Unprotected.	Vaccinated at wharf.		Crew.	Passengers.					
(1)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)
																					lbs,		
January ...	85	47	1,537	2,093	5	2	...	...	7	4,963	12	12	17,610	1,816	1,796	59	129	153	1	E	330	13-0	27
February ...	68	35	842	3,061	18	3	3	...	24	4,265	27	27	18,431	1,649	1,649	55	157	906	...	...	...	...	...
March ...	73	43	1,388	4,577	17	2	2	..	21	4,204	19	19	12,453	1,035	1,025	60	...	267	...	...	...	...	..
April ...	113	73	1,893	3,071	13	4	...	...	17	4,340	87	87	11,206	953	953	67	60	62	...	...	..	...	...
May ...	...	...	...	3,769	2,018	370	109	93	2,590	4,498	6	6	15,679	1,088	1,088	54	175	651	...	...	..	...	...
June ...	...	...	...	3,633	871	141	45	29	1,086	3,874	9	9	16,311	1,440	1,440	49	37	...	...	...	...	...	...
July ...	...	...	...	4,688	1,028	165	71	42	1,306	4,391	...	...	15,587	986	1,111	58	172	...	...	...	...	...	...
August ...	...	...	...	4,713	1,509	233	81	73	1,896	4,356	3	3	14,497	1,153	1,188	63	209	...	...	...	...	...	...
September ...	...	...	...	3,830	692	183	53	32	959	3,992	10	10	15,917	1,120	1,120	48	...	12	..	...	...	...	...
October ...	...	...	...	5,033	1,905	376	187	88	2,556	4,480	2	2	20,203	1,176	1,176	48	192	9	...	...	..	...	...
November ...	...	...	...	4,522	1,532	460	118	534	2,244	4,927	3	3	42,500	2,965	2,965	54	...	...	...	...	...	...	...
December ...	...	...	...	3,724	1,040	274	69	47	1,430	4,641	1	1	31,367	2,279	2,279	67	139	471	...	...	...	...	...
Total ...	339	198	5,660	43,714	10,648	2,213	737	538	14,136	52,931	179	179	2,31,761	17,820	17,640	682	1,210	2,631	1	E	330	13-0	27

STATEMENT No. III.

Statement showing Infectious and other Diseases reported and detected on In-coming Sea-going Vessels during the year ending 31st December 1922.

Diseases.	January.		February.		March.		April.		May.		June.		July.		August.		September.	
(1)	Vessels. (2)	Cases. (3)	Vessels. (4)	Cases. (5)	Vessels. (6)	Cases. (7)	Vessels. (8)	Cases. (9)	Vessels. (10)	Cases. (11)	Vessels. (12)	Cases. (13)	Vessels. (14)	Cases. (15)	Vessels. (16)	Cases. (17)	Vessels. (18)	Cases. (19)
Sea-going.																		
Plague ...	1	1	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...
Cholera ...	2	2	1	1	...	...	2	2	1	2	...	...	1	1	...	...	...	...
Small-pox ...	3	4	4	6	4	4	5	5	3	4	1	1	...	...	...	...	...	...
Chicken-pox ...	2	2	3	5	10	17	3	5	...	...	2	4	...	...	1	1	...	1
Measles		3	2	2	2	2	1	1	...	...	1	1	...	...	...	...	...	...
Mumps	...	...	1	1	1	1	1	1	...	...	1	1	1	1	1	1	...	...
Influenza	...	20	...	3	...	1	...	1	...	5	...	2	...	3	...	3	...	3
Cerebro spinal ...	...	...	1	1	...	...	1	1	...	...	...	...	...	...	1	1	...	...
Dengue	...	...	...	...	...	...	...	...	...	...	...	...	...	.	1	3	...	1
Typhoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...
Susp-illness ...	...	149	...	173	...	111	...	139	...	196	...	193	...	151	...	172	...	218
Ordinary illness ...	...	13	...	6	..	10	...	8	...	3	...	5	...	15	...	10	...	4
Lepers	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
Glands	...	6	...	3	...	1	...	1	...	2	...	1	...	...	...	2	...	2
Deaths (ordinary) ...	2	2	4	4	2	2	...	...	2	2	1	1	3	3	2	2	...	3
Total ...	12	202	16	205	19	149	13	164	6	214	6	209	5	174	6	195	...	232
Riverine Vessels.																		
Plague	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	...	...	...	1	1	1	1	...	...	1	1	...	...	...	...	1	1
Susp.illness ...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	..	...	...	...	3	4	1	1	...	...	1	1	...	..	...	...	1	1
Vessels in ports.																		
Cholera ...	2	3	3	3	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox	1	1	1	1	...	...	...	...	...	..	..	...	...	...	...	...	...	...
Chicken-pox ...	...	...	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	1	1	...	...	...	...	1	1	—	...	...	...	1	1
Mumps	...	...	...	...	...	...	...	...	..	...	...	...	1	[	...	...	...	...
Susp.illness ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	..	...	...	...
Total ...	3	4	5	5	3	4	...	...	...	...	1	1	1	1	...	...	1	1
GRAND TOTAL ...	15	206	21	210	25	157	14	165	6	214	8	211	6	175	6	195	2	231

STATEMENT No. III.—concld.

Statement showing Infectious and other Diseases reported and detected on In-coming Sea-going Vessels during the year ending 31st December 1922—concld.

Diseases.	October.		November.		December.		Total.		Sick.								Corpses.			
									Hospital.				Residences.	Left on board.	Left at other ports.	Total.	Buried at Sea.	Rangoon mortuary.	Left at other ports.	Total.
	Vessels.	Cases.	Vessels.	Cases.	Vessels.	Cases.	Vessels.	Cases.	Contagious Diseases.	Observation.	Rangoon General.	Military.								
(1)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
Sea-going.																				
Plague	...	...	1	1	...	...	2	2	...	2	...	...	...	...	...	2	...	...	...	...
Cholera	...	...	...	...	1	1	8	9	4	...	...	...	...	...	1	5	3	1	...	4
Small-pox	...	...	1	1	...	1	21	26	23	...	...	...	...	...	3	26	...	...	...	...
Chicken-pox ...	...	...	1	1	3	6	25	42	34	3	...	...	...	3	1	42	...	...	...	...
Measles	...	...	1	1	2	2	11	12	6	1	...	...	...	...	2	12	...	...	...	...
Mumps	1	2	...	...	2	3	9	11	9	1	...	...	1	...	...	11	...	...	...	...
Influenza	...	1	...	8	...	6	...	56	...	53	...	3	...	...	...	56	...	...	...	...
Cerebro spinal ...	...	...	...	...	...	...	3	3	...	3	...	...	...	...	...	3	...	...	...	...
Dengue	...	...	...	...	...	...	1	4	3	...	...	...	...	...	...	...	...	...	...	...
Typhoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Susp.illness ...	...	249	...	627	...	295	...	2,708	22	2,439	78	23	126	96	...	2,760	...	...	...	...
Ordinary illness ...	...	10	...	22	...	7	...	113	...	...	...	...	19	16	...	11	...	...	...	...
Lepers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glands	...	3	...	3	...	2	..	26	...	26	...	..	...	...	...	2	...	...	...	...
Deaths (ordinary) ...	...	...	...	...	1	2	17	21	...	...	...	...	...	...	...	...	17	4	...	21
Total ...	1	310	4	654	9	325	97	3,033	101	2,528	81	26	150	115	7	3,008	20	5	...	25
Riverine vessels.																				
Plague	1	1	...	...	...	...	2	2	1	...	...	...	...	...	1	2	...	...	...	...
Cholera	...	...	2	4	1	2	7	10	2	...	...	...	...	...	6	8	...	2	...	2
Susp.illness ...	...	...	...	...	...	...	1	2	...	1	...	...	...	1	...	2	...	...	...	...
Total ...	1	1	2	4	1	2	10	14	3	1	...	...	...	1	7	12	...	2	...	2
Vessels in ports.																				
Cholera	...	...	...	...	...	...	6	7	4	...	...	...	3	...	...	7	...	...	...	...
Small-pox	...	...	...	...	...	...	2	2	2	...	...	...	...	...	...	2	...	...	...	...
Chicke-pox ...	...	...	...	...	1	2	3	4	4	...	...	...	...	...	...	4	...	...	...	...
Measles	...	...	...	...	...	...	3	3	3	...	...	...	...	...	...	3	...	...	...	...
Mumps	...	...	...	...	...	...	1	1	1	..	...	...	...	...	...	1	...	...	...	...
Susp.illness ...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	1	...	...	...	...
Total ...	...	...	...	...	1	2	15	18	14	1	...	...	3	...	...	18	...	...	...	...
GRAND TOTAL ...	2	311	6	658	11	329	122	3,065	118	2,530	81	26	153	116	14	3,038	20	7	..	27

STATEMENT No. IV.

Statement showing the work done in connection with Out-going Vessels bound for Ports beyond India during the year ending 31*st December* 1922.

Months.	Number of vessels.	Shore Inspection.														Results of Inspection.				
		Asiatic crew.	Deck Passengers.					European crew.	Saloon Passengers.					Passes to relatives and friends.	Baggage coolies.	Glands.	Temperature.			
			Males.	Females.	Boys.	Girls.	Total.		Males.	Females.	Boys.	Girls.	Total.				Tested.	Normal.	Allowed on m. c. or at Commander's request.	Cases detained.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
January ...	31	1,819	477	46	7	13	543	666	200	117	21	19	357	15	167	...	18	9	8	1
February ...	47	2,494	595	69	14	15	693	1,048	309	182	26	24	541	16	209	...	36	21	4	11
March ...	56	2,886	990	111	53	34	1,188	1,345	462	301	50	60	873	48	260	...	71	18	40	13
April ...	51	2,411	586	76	52	35	749	1,565	367	229	59	50	705	13	286	...	50	16	23	11
May ...	53	2,889	1,536	282	223	120	2,101	1,351	382	194	67	73	716	11	337	...	74	24	40	10
June ...	35	2,348	902	75	44	27	1,048	794	237	108	32	37	414	12	175	...	49	22	18	9
July ...	35	2,331	1,790	125	57	25	1,997	873	214	82	27	25	348	27	254	...	39	21	17	1
August ...	36	2,411	1,160	102	50	25	1,337	947	251	109	37	20	417	41	259	...	40	15	19	6
September ...	27	1,943	733	69	32	32	866	738	255	128	20	24	427	10	240	...	32	10	16	6
October ...	34	2,048	687	65	47	24	823	909	241	112	18	15	386	15	186	...	28	10	15	3
November ...	30	1,973	797	84	20	21	922	768	231	104	14	18	357	8	253	...	27	11	9	7
December ...	31	2,016	897	177	56	40	1,170	749	268	117	29	29	443	15	253		51	21	27	3
Total ...	466	27,569	11,150	1,221	655	411	13,437	11,753	3,407	1,783	400	394	5,984	231	2,879	...	515	198	236	81

STATEMENT No IV.

Statement showing the work done in connection with Out-going Vessels bound for Ports beyond India during the year ending 31st December 1922—concld.

Months.	Diseases.					Disposal of sick.				Disinfection.				Fumigation with Clayton apparatus at Agent's request.			
	Chicken-pox.	Measles	Mumps.	Influenza.	Fever and other	Civil General Hospital.	Contagious Diseases Hospital.	Observation Hospital.	Residence.	Asiatic crew and Deck passengers,	Boots and shoes,	Boxes.	Baggage coolies.	Vessels.	Sulphur consumed.	Time spent,	Amount realized.
(1)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)
															lb.	H. M.	Rs.
January ...	...	...	...	...	1	...	...	1	...	2,362	721	566	167	1	360	8·30	220
February ...	...	...	...	...	11	...	..	7	4	3,187	1,022	1,066	209	1	360	13·0	220
March ...	1	1	2	...	9	1	4	7	1	4,074	1,147	1,061	260	2	805	20·30	605
April ...	...	...	...	...	11	1	1	9	...	3,160	1,164	1,045	286	...	...	...	...
May ...	...	...	...	...	10	...	1	7	2	4,990	1,073	1,097	337	1	690	15·0	390
June ...	...	...	...	1	8	1	1	5	2	3,396	876	737	175	...	...	...	...
July ...	...	...	...	...	1	1	...	...	...	4,328	1,047	802	254	1	65	3·0	140
August ...	...	1	...	...	5	1	...	5	...	3,748	816	853	259	1	215	7·0	175
September ...	...	...	...	..	6	...	...	5	1	2,809	802	707	240	1	200	6·0	175
October ...	...	...	...	...	3	...	...	3	...	2,871	903	635	186	1	205	7·15	220
November ...	...	...	...	...	7	...	...	3	4	2,895	648	651	253	4	2,435	40·0	1,175
December ...	...	...	...	...	3	...	...	3	...	3,186	652	621	253	...	...	...	...
Total ...	1	2	2	1	75	5	7	55	14	41,006	10,871	9,841	2,879	13	5,335	120·15	3,320

STATEMENT No. V.

Statement showing the Medical Inspection of Port Trust Officers, Employès and Shipping Office Crew during the year ending 31st December 1922.

Months.	Medical Boards.				Port Trust Candidates.			Port Trust Employès for Medical Certificates.					Epidemic Diseases.								Examination of new crew.			Examination of Port Health employès and Plague Police.	
	Pilot examined for.		Officers examined for		Number of examinations of Candidates.	Number of Candidates examined.	Number of Candidates passed.	Number of employes on sick list on last day of previous month.	Number of employès who took ill during the year.	Number of examinations of employès.	Number of employes declared fit at expiry of medical leave.	Number of employès died during the year.	Cholera.	Small-pox.	Chicken-pox.	Measles.	Mumps.	Enteric.	Influenza.	Dengue.	Number examined.	Number passed.	Number rejected.	Number of Plague Police Constables examined.	Number of Port Health employès examined.
	Leave.	Physical fitness.	Leave.	Physical fitness.																					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
January ..	...	...	...	..	18	18	18	16	106	821	122	..	...	...	...	..	...	...	19	...	241	235	6	4	3
February ...	...	...	..	...	8	8	8	22	166	824	187	1	...	...	3	...	...	...	21	...	252	242	10	7	5
March ...	...	...	...	...	12	12	12	45	153	793	198	...	...	...	...	12	...	...	15	...	166	160	6	3	8
April ...	...	...	...	...	15	15	15	22	121	803	142	1	...	...	8	...	1	...	12	...	225	214	11	5	5
May ...	...	...	...	...	8	8	8	14	116	847	129	1	...	...	...	2	...	...	22	...	94	87	7	6	9
June ...	...	...	...	...	10	10	8	11	147	960	157	1	...	...	...	...	1	...	33	...	264	247	17	12	11
July ...	...	...	...	...	12	12	12	16	172	1,234	186	2	...	...	...	...	...	...	25	...	144	141	3	7	3
August ...	...	...	...	...	7	7	7	18	202	1,372	218	2	1	...	...	..	...	...	22	...	228	214	14	12	8
September ...	...	...	...	...	14	14	14	13	217	1,539	228	2	...	...	...	...	1	...	40	1	264	257	7	3	9
October ...	...	...	...	...	5	5	5	30	377	2,006	407	...	...	...	...	...	...	...	11	124	174	168	6	8	17
November ...	...	...	...	...	9	9	9	18	206	1,243	324	...	...	...	1	..	...	1	...	41	157	154	3	...	14
December ...	...	1	...	...	6	6	6	13	145	923	150	1	...	...	1	...	...	1	9	2	120	118	2	9	2
Total ...	...	1	...	...	124	124	122	238	2,128	13,365	2,348	11	1	1	24	2	4	1	229	168	2,329	2,237	92	76	94

STATEMENT No. VI.

Statement showing the Ordinary Diseases sent to Hospitals during the year ending 31st December 1922.

Names of Diseases. (1)	Incoming. (2)	Out-going. (3)	Riverine. (4)	Port. (5)	Port Trust. (6)	New Crew inspection. (7)	Port Health Department. (8)	Total. (9)
Rise of temperature	2,673	67	1	...	336	1	26	3,104
Malaral fever ...	30	...	...	...	78	...	5	113
Beri-Beri	...	1	...	...	...	...	..	1
Elephenthesis ...	...	...	...	..	1	...	...	1
Oedema	...	...	...	...	7	..	...	7
Dysentry	14	1	...	...	88	...	5	108
Debility	1	...	...	...	24	6	1	32
Tuberculosis ...	3	...	...	...	2	...	...	5
Rheumatism ...	5	...	...	...	45	...	1	51
Bronchitis	12	...	...	...	40	...	17	69
Heart Disease ..	...	...	...	...	..	1	1	2
Pneumonia	35	1	...	...	3	...	1	40
Tonsilitis	...	...	...	...	9	...	1	10
Synovitis	...	...	...	...	3	...	...	3
Urethritis	...	...	...	...	4	...	1	5
Stricture	...	...	...	...	1	...	...	1
Adenitis	1	...	...	...	...	...	.	1
Paratitis	...	...	...	...	1	...	...	1
Stomatitis	...	...	...	...	4	...	...	4
Peritonitis	1	...	...	...	...	...	...	1
Pharongitis ...	...	...	...	...	2	..	...	2
Gastritis	...	...	..	...	3	...	...	3
Arthritis	...	...	...	...	1	...	...	1
Sciatica	...	...	...	...	3	...	1	4
Haemoptysis ...	...	...	...	...	1	...	...	1
Colitis	...	...	...	...	2	...	...	2
Diarrhoea	6	...	...	...	61	...	2	69
Piles	...	...	...	...	1	...	...	1
Dyspepsia	...	...	...	...	20	...	3	23
Constipation ...	8	...	...	...	77	...	17	96
Asthma	1	...	...	...	5	...	5	11
Indigestion	3	...	1	...	2	...	...	6
Hiccough	...	...	...	...	1	...	...	1
Worms	...	...	...	...	1	...	...	1
Colic	1	...	...	...	39	...	2	42
Jaundice	1	...	...	...	...	...	..	1
Suspicious Rash ...	6	1	...	...	1	...	...	8
Heat Rash	1	...	...	...	...	...	...	1
Pains	...	...	...	...	5	...	1	6
Intestinal Catarrah	...	...	...	1	...	...	...	1
Catarrah	...	...	...	...	10	...	...	10
Ear Ache	...	...	...	...	16	...	6	22
Carried over ...	2,796	71	2	1	897	8	96	3,871

STATEMENT No. VI.

Statement showing the Ordinary Diseases sent to Hospitals during the year ending 31st December 1922—concld.

Names of Diseases. (1)	Incoming. (2)	Out-going. (3)	Riverine. (4)	Port. (5)	Port Trust. (6)	New Crew Inspection. (7)	Port Health Department. (8)	Total. (9)
Brought forward ...	2,796	71	2	1	897	8	96	3,871
Tooth Ache ...	...	...	...	...	20	...	3	23
Fractured Tooth ...	...	...	...	...	3	...	...	3
Sore throat ...	...	...	...	...	7	...	4	11
Eye Complaints ...	2	...	...	...	108	...	3	113
Eczema	1	...	...	...	10	2	1	14
Scabies	2	...	...	...	31	5	9	47
Urticaria	...	...	...	...	1	...	...	1
Ringworm	...	...	...	...	17	3	1	21
Skin Disease ...	...	...	...	...	1	...	...	1
Dog Bite	...	...	...	...	7	...	1	8
Horse Bite ...	1	...	...	...	...	...	...	1
Lumbago	...	...	...	...	9	...	1	10
Hernia	...	...	...	...	...	5	...	5
Hydrocele ...	...	...	...	...	9	2	...	11
Varicocele ...	...	...	...	...	1	...	...	1
Orchitis	...	...	...	...	5	...	1	6
Bubonocele ...	...	...	...	...	...	1	...	1
Gonorrhoea ...	2	...	...	...	3	49	1	55
Syphilis	5	3	...	...	...	2	...	10
Chancre	2	1	...	...	...	11	...	14
Gleet	...	...	...	...	...	1	...	1
Bubo	6	...	...	...	...	1	...	7
Ulcer	...	...	...	...	33	...	2	35
Abscess and Boils ...	...	...	...	...	42	...	2	44
Whitlow	...	...	...	...	1	...	...	1
Cyst	...	...	...	...	1	...	...	1
Stye	..	...	...	...	1	...	...	1
Burn and Scald ...	...	...	...	...	17	...	...	17
Wound and Injury	3	...	...	...	215	...	6	224
Fracture	..	...	...	...	1	...	...	1
Sprain	...	..	...	...	14	...	1	15
Myalgia	...	...	...	...	17	...	3	20
Contusion ...	1	...	...	...	188		5	194
Neuralgia ...	...	...	...	...	14	...	5	19
Dysmenorrhoea ...	...	...	...	...	1	...	...	1
Retention of Urine	...	...	...	...	1	...	...	1
Enlarged Glands ...	36	...	...	...	12	2	...	40
	2,847	75	2	1	1,687	92	145	4,849

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